

TARGET 2.2.2

RELEASE NOTES

29 March 1996

1.0 Purpose

The purpose of this document is to describe the enhancements and improvements based on the TARGET user community's recommendations and requirements. The Operations Planning Tool (OPT), Course of Action Selection Tool (COAST), Task Editor have been improved. ImageMagick's display has replaced XV as the image processor. The full TARGET install includes MATT 3.5, MATT 3.7, Corbus 3.1, and JTF Tasker. An ADAPT install encompasses a full TARGET install along with TPedit and FMEdit installs.

2.0 Improvements

2.1 Operations Planning Tool (OPT)

The major improvement to OPT has been the change in the menu sequence. The menu sequence now reflects the Crisis Action Planning (CAP) Procedures defined in the Joint Staff Officer's Guide. The new menu sequence of OPT is listed below. Please note that constraints and restraints were not separated and only one COAST button appears in the COA Development panel. The purpose of the changes was to reduce the number of buttons in the COA Development phase.

Menu Sequence:

- A. Situation Development
 - 1. Situation Analysis
 - 2. Current Intel Picture
 - 3. Impact on Nat'l Interest
 - 4. Desired Endstate
 - 5. OPREP3CINC Access
- B. Crisis Assessment
 - 1. Situation Analysis CA
 - 2. Current Intel Picture CA
 - 3. Impact on Nat'l Interest CA
 - 4. Desired Endstate CA
 - 5. Recommended NCA Guidance
 - 6. CJCS WARNORD
- C. COA Development
 - 1. Mission Analysis
 - 2. Specified/Implied Tasks
 - 3. Essential Tasks
 - 4. Assumptions
 - 5. Constraints/Restraints

6. Cmdr's Restated Mission
7. Enemy COGs
8. Friendly COGs
9. Cmdr's Critical Intel Reqs
 - a. Current Intel Picture
 - b. PIR
 - c. EEFI
 - d. FFIR
10. Available Forces
11. Proposed COA Titles
12. Planning Guidance
13. JTF Activation Order
14. CINC's WARNORD
15. Concept of Operations
 - a. CONOPS COA 1
 - b. CONOPS COA 2
 - c. CONOPS COA 3
 - d. CONOPS COA 4
16. COA Force Requirements
 - a. Force Requirements COA 1
 - b. Force Requirements COA 2
 - c. Force Requirements COA 3
 - d. Force Requirements COA 4
17. Start COA Selection Tool (COAST)
18. Recommended COA
19. Cmdr's Estimate

D. COA Selection

1. Review Commander's Estimate
2. NCA Recommendations
3. Planning Order
4. Alert Order

A CJCS Warning Order can now be created and is available under the Crisis Assessment panel. A JTF Activation Order can also be created and is available under the COA Development panel. Orders can be formatted by selecting the Format button. The Recommended NCA Guidance panel is available under the COA Selection panel.

A National Security template is available to be imported into the Impact on National Security panel. The template will appear in the text sub-window when the user selects the Format button.

The options available under Crisis Assessment are similar to those available under Situation Development but are entirely separate and unique. The Situation CA, Current Intel CA, Impact on National Security CA, and Desired Endstate CA panels contains a button (called "Situation Dev version?") that allows the user to get the text from its

corresponding option under the Situation Development panel. **Warning:** Selecting this button replaces the text in the sub-window, it does not append the text. These options will each create an object in the TARGET Workbench under the Situation folder.

COAs are no longer created in OPT, they are created in COAST. OPT will display the COAs which are currently in use, if COAST is running, or those which were last in use before exiting COAST.

2.2 Course Of Action Selection Tool (COAST)

COAST has a new multiple session functionality which allows users to create up to five sessions. Information is automatically generated for each session to show plan name, session name, name of session creator, date of creation, and last modification date. A Session Notes sub-window was also added and can be used to track the history of each session.

In the List COAs screen, the Mission name now comes up with the Target mission (plan) name. Users no longer need to enter the name manually.

COAs are no longer created in Operations Planning Tool (OPT), they are created in COAST. OPT will display the COAs which are currently being used, if COAST is running, or which were last in use before exiting COAST.

The status bar at the bottom of COAST displays the current session name.

2.3 Task Editor Window

The Task Editor window now displays all the data that is available in a task. This includes: name, description, modified log, type and op area fields. The description field is modifiable in the editor. The others fields are modified through the Operations Planning Tool (OPT), namely in the Specified/Implied Tasks and Essential Tasks panels.

In the future, the Task Editor will allow a task to have associations to other data items. Tasks will be able to be associated with specific assumptions, constraints, restraints, objectives, decisive points, and forces. Associations are selected by double clicking on an association in the scroll list titled "Available". To remove an association, the user can double click on the association in the "Selected" scroll list.

Currently, the task can be associated with assumptions. However, there is a problem with the Objectivity database and will only allow one assumption to be associated with one task.. Selecting an already assigned assumption will display an error message in the xterm window. Also restraints, constraints, decisive points, objectives are currently only visible to OPT and are not displayed in the Task Editor. This error will also be fixed in a future release of TARGET.

Start the Task Editor from the TARGET Workbench by double clicking on a task icon in the task folder. Tasks can only be created and deleted in OPT.

2.5 Utilities Manager

The User UNIX Support menu now contains two menu items: Check Local Disk Space and Check Status of Process. The Cleanup Objectivity Database item was removed. In order to perform a cleanup on the database, TARGET must not be running and so the cleanup routine can not be accessed via through the Utilities Manager.

2.6 ImageMagick

The Image Magick display utility is now used, instead of xv, to do image processing and processing of window captures. The utility provides the same functionality as xv and can handle any common image format. Display has a print interface which converts an image to postscript and allows the user to print the image with regular UNIX lpr syntax. A -P flag to lpr can be used to specify a printer name other than the default printer.

Documentation about ImageMagick is available through html files. The html files can be opened from /usr/target/ImageMagick/ImageMagick.html or by selecting the Browse Documentation option under the Help menu in the display utility. After starting display, press the right mouse button on the ImageMagick's picture and a menu will appear.

2.7 Environment

An environment variable was added to /usr/target/target.csh to allow the user to set which web browser to use. The WWWBROWSER environment variable is currently set to use Mosaic which is installed with TARGET. The user must change this variable in order to use Netscape or another browser.

2.8 On-line Help

TARGET's on-line help has been expanded into a library of html documents describing TARGET, its component applications, and other Distributed Collaborative Planning (DCP) programs that interact with TARGET. The On-line help will run under the web browser specified by the WWWBROWSER environment variable.

3.0 Enhancements

3.1 MATT

MATT Version 3.7 is the newest release and will be available to be installed instead of MATT Version 3.5. MATT 3.7 is a JTF ATD compatible version which requires an installed Orbix run-time license and an installation of Oracle for full functionality. TARGET 2.2.2 release comes with postscript installation notes for both MATT 3.5 and 3.7. One of these versions should be linked to Version_Current in /usr/local/matt. Target will launch the version of MATT to which Version_Current points at.

This document doesn't contain the release notes for MATT 3.7. However, an overview of MATT Version 3.7 enhancements are listed below. Refer to the MATT Release Document for Version 3.7 for a more detailed description of the enhancements. The documentation can be accessed via the web browser. The html files are located at /usr/local/matt/Version_Current/doc/install (for installation instructions) or /usr/local/matt/Version_Current/doc/help. These files are also accessible from the MapViewer using the 'Help' button.

MATT Version 3.7 enhancements:

- * **Map Objects** - Improved performance for initializing mapweb objects (jtf only).
- * **Mousability** - (if initialized, currently only available to LogAD). This feature gives you feedback about a road, rail or other feature on the status line of the viewer. When the user clicks on one of these objects, a window pops up with more detailed information.
- * **Startup** - Ability to define startup view and save as user preference.
 - User feedback on connectivity.
- * **Fonts** - Addition of 18 point font.

- * **Web Browser** - Added selection of WWW browser for user, i.e. now you have ability to use Netscape as browser for Help/IB instead of only Mosaic.
- * **Graphics** - Unit symbology for MIL-STD-2525.
 - Saving of maps to gif, PICT, and HTML files.
 - Force Arrow added to drawing palette.